

Science Fair Projects

7th & 8th Grades

Keys to a successful project

- Be clear about your project
- Think “outside the box”
- Do not expect to find the answer itself
- Pace yourself
- Use all possible sources

Print Resources

- General Encyclopedias-
Give background information. Not necessarily current information.
- Special Encyclopedias/ Reference books
More specific information. Many are current.
- Books
More detailed information, as well as background. Many give good ideas for projects.
- Magazines
Current information. We do not have too many titles.

Computer Resources

- CD-ROM's
Much of the same information as print material, with pictures and some sound.
- Internet
Many good sites from school districts (see attached sheets). Watch the accuracy.
- Data bases
Should be primary source! Information already chosen for accuracy, and timeliness!

Extra-Library Resources

- Interlibrary loan
If we don't have it, we may be able to get it from another library. I need a **lot** of notice and there is no guarantee that the material will come in time.
- Public Library
May have resources we don't.
- Experts
People who work in the field or in the companies usually are eager to help. It may take some time to get a response. Be clear, concise, and polite.

Websites

General

4 2 Explore - Explore over 100 topics across many content areas. Click on a topic to explore good starting points in that topic area.

<http://eduscapes.com/42explore/subject.htm>

Internet Public Library - By using this index, students can find links to many science web pages, including some where the student may email a scientist.

<http://www.ipl.org/div/subject/browse/sci00.00.00/>

How Stuff Works - An excellent site on how different machines/ products are manufactured and how they operate.

<http://www.howstuffworks.com/> .

Paxton-Buckley-Loda Junior High Home Page – Use the Science link in the drop-down menu for more science links.

<http://www.pbl.k12.il.us/jhlib>

Science Daily - Free online magazine that features breaking news about the latest discoveries and hottest research projects in everything from astrophysics to zoology with links to contact names and organization's home page.

<http://www.sciencedaily.com>

Biology

Animal Kingdom - Suitable for upper middle school through high school, this site is organized by phyla.

<http://www.ucmp.berkeley.edu/help/taxaform.html>

My Body - Interactive articles for young students.

http://kidshealth.org/misc_pages/mybody_LP.html

Earth Science/ Weather

Earth and Moon Viewer - Various views of Earth and the moon from many angles.

<http://www.fourmilab.ch/earthview/vplanet.html>

National Data Buoy Center Science Education Pages - This site describes facts about the ocean & the weather.

<http://www.ndbc.noaa.gov/educate/educate.shtml>

Physics

ABC's of Nuclear Science - A brief introduction to nuclear science.

<http://www.lbl.gov/abc/>

Professor Stephen Hawking's Home Page - Home page of one of the world's greatest physicists. Designed to be accessible to all, this site is available in both graphic and text-only format.

<http://www.hawking.org.uk/home/hindex.html>

Science Fairs

Ask the Space Scientist – Question & answers- maintained by NASA.

<http://image.gsfc.nasa.gov/poetry/ask/asfair.html>

Cathy Shrock's Guide For Educators: General Science - An excellent list of resources for educators.

<http://school.discovery.com/schrockguide/sci-tech/scigs.html>

Experimental Science Projects - An introductory guide for doing science fairs and projects.

<http://www.isd77.k12.mn.us/resources/cf/SciProjIntro.html>

Louisiana Region 5 Science and Engineering Fair - Excellent page with good links.

<http://www.lasciencefair.org/links.htm>

School Science Fairs Home Page - Includes many links to other pages.

<http://www.stemnet.nf.ca/sciencefairs/>

Science Fair Central - Sponsored by the Discovery Channel, this has information ranging from choosing a topic to writing the report.

<http://school.discovery.com/sciencefaircentral/>

Science Fair Ideas - Maintained by NASA.

<http://lep694.gsfc.nasa.gov/lepedu/ScienceFair.html>

Science Quest Foundation - An excellent site with help for science projects & experiments. Also a page with links students may use to ask an expert about science.

<http://www.sciquestfoundation.org/k12/index.html>

Yahooligans - Using Yahooligans search ability, you can find many sites to help with your Science Fair Project.

http://www.yahooligans.com/Science_and_Nature/Experiments_and_Activities/Science_Fairs/

Your Science Fair Project Resource Guide - Links through Internet Public Library.

<http://www.ipl.org/div/kidspace/projectguide/>

**Also, be sure to use the search engines such as Google.com,
Yahooligans.com and Altavista.com.**

Databases

ProQuest – This has thousands of resources in newspapers, magazines, books, maps, pictures, audio-video, TV/ radio transcripts.

<http://www.proquestk12.com/>

Login ID- See Mrs. Dulaney

Password- See Mrs. Dulaney

World Book Online – Our district has access to this.

<http://www.worldbookonline.com>

Login ID- pbl10

Password- pblten